ABSTRACT OF THE DISCLOSURE

In a high-pressure side heat exchanger for a vapor compression refrigerant cycle, a refrigerant passage is formed such that a flow area (S), a length (L), and an equivalent diameter (d) satisfy the conditional expression $0.04 \times e^{-1.8d} \leq S/L \leq 2.1 \times e^{-1.8d}$. The flow area (S) is obtained by dividing the product of a total cross-sectional area of the passages in one tube and the number of tubes by the path number. The length (L) is a flow distance of the refrigerant from the refrigerant inlet to the refrigerant outlet. That is, the length (L) is obtained by the product of the length of the tube and the path number. The diameter (d) is obtained by dividing the product of four and the cross-sectional area of the passage by a circumference of the passage.